

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A recording apparatus for recording desired files on a recording medium, comprising:

index file generation means for generating an index file of the files recorded on the recording medium, said index file ~~being in the form of~~ having a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files recorded on the recording medium;

said index file comprising respective files, each associated with a different attribute and each including a header and data related to said attribute.

2. (Previously Presented) The recording apparatus according to claim 44, wherein said index file generation means sets the reproduction order within a group of those entries which are selected from among the entries provided in the index file.

3. (Original) The recording apparatus according to claim 2, wherein the group of entries is a group of those entries which correspond to favorite ones of the files selected by a user.

4. (Previously Presented) The recording apparatus according to claim 44, wherein said index file generation means forms an entry which describes the reproduction order in the form of a table in the index file to set information representative of the reproduction order to the index file.

5. (Currently Amended) A recording apparatus for recording desired files on a recording medium, comprising:

index file generation means for generating an index file of the files recorded on the recording medium ~~in the form of~~ having a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

said index file generation means dividing the extract information relating to any of the files to generate the index file, which includes a plurality of entries;

said index file generation means setting, to the entry of the divided extract information, as information representative of a mutual relationship between the entries, information indicative of an entry in which the succeeding divisional extract information is recorded;

said index file generation means setting, to the entry in which the succeeding divisional extract information is recorded, an identifier indicating that the entry has the succeeding divisional extract information recorded therein.

6. (Original) The recording apparatus according to claim 5, wherein said index file generation means groups pieces of the extract information for each attribute to generate the index file and sets, to the index file, an identifier indicating to which one of the groups each of the pieces of the divisional extract information belongs.

7. (Currently Amended) A recording apparatus for recording desired files on a recording medium, comprising:

index file generation means for generating an index file of the files recorded on the recording medium ~~in the form of~~ having a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

said index file generation means setting, where the files recorded on the recording medium include a plurality of child files generated by dividing one set of contents and a parent file for managing the plural plurality of child files, to the entries relating to the child files and the parent file, as information representative of a mutual relationship between the entries, identifiers indicating that the files are the child files and the parent file, respectively.

8. (Original) The recording apparatus according to claim 7, wherein said index file generation means sets, to the entries relating to the child files, information which indicates the entry relating to the parent file.

9. (Currently Amended) A recording apparatus for recording desired files on a recording medium, comprising:

index file generation means for generating an index file of the files recorded on the recording medium ~~in the form of~~ having a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

said index file generation means registering information of file formats of the files into corresponding ones of the entries.

10. (Canceled)

11. (Currently Amended) A recording apparatus for recording desired files on a recording medium, comprising:

index file generation means for generating an index file of the files recorded on the recording medium ~~in the form of~~ having a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

said index file generation means registering information unique to processing means for the files and information for specifying the processing means relating to the unique information.

12. (Original) The recording apparatus according to claim 11, wherein said index file generation means registers the unique information into the index file by setting the unique information to the corresponding entries.

13. (Original) The recording apparatus according to claim 11, wherein said index file generation means registers the unique information into the index file by setting reference destinations of the unique information to the corresponding entries.

14. (Original) The recording apparatus according to claim 11, wherein said index file generation means forms the index file from a data group of the extract information and a management data group for managing the data group.

15. (Original) The recording apparatus according to claim 14, wherein said index file generation means forms the index file from different files for the data group of the extract information and the management data group from each other.

16. (Original) The recording apparatus according to claim 14, wherein said index file generation means groups the data group of the extract information for each attribute and forms the index file from different files for the individual groups of the data group and the management data group from one another.

17. (Original) The recording apparatus according to claim 5, wherein said index file generation means forms the index file from a data group of the extract information and a management data group for managing the data group.

18. (Original) The recording apparatus according to claim 17, wherein said index file generation means forms the index file from different files for the data group of the extract information and the management data group from each other.

19. (Original) The recording apparatus according to claim 17, wherein said index file generation means groups the data group of the extract information for each attribute and forms the index file from different files for the individual groups of the data group and the management data group from one another.

20. (Original) The recording apparatus according to claim 7, wherein said index file generation means forms the index file from a data group of the extract information and a management data group for managing the data group.

21. (Original) The recording apparatus according to claim 20, wherein said index file generation means forms the index file from different files for the data group of the extract information and the management data group from each other.

22. (Original) The recording apparatus according to claim 20, wherein said index file generation means groups the data group of the extract information for each attribute and forms the index file from different files for the individual groups of the data group and the management data group from one another.

23. (Original) The recording apparatus according to claim 9, wherein said index file generation means forms the index file from a data group of the extract information and a management data group for managing the data group.

24. (Original) The recording apparatus according to claim 23, wherein said index file generation means forms the index file from different files for the data group of the extract information and the management data group from each other.

25. (Original) The recording apparatus according to claim 23, wherein said index file generation means groups the data group of the extract information for each attribute and forms

the index file from different files for the individual groups of the data group and the management data group from one another.

26. (Previously Presented) The recording apparatus according to claim 1, wherein said index file generation means forms the index file from a data group of the extract information and a management data group for managing the data group.

27. (Original) The recording apparatus according to claim 26, wherein said index file generation means forms the index file from different files for the data group of the extract information and the management data group from each other.

28. (Original) The recording apparatus according to claim 26, wherein said index file generation means groups the data group of the extract information for each attribute and forms the index file from different files for the individual groups of the data group and the management data group from one another.

29. (Original) The recording apparatus according to claim 11, wherein said index file generation means forms the index file from a data group of the extract information and a management data group for managing the data group.

30. (Original) The recording apparatus according to claim 29, wherein said index file generation means forms the index file from different files for the data group of the extract information and the management data group from each other.

31. (Original) The recording apparatus according to claim 29, wherein said index file generation means groups the data group of the extract information for each attribute and forms the index file from different files for the individual groups of the data group and the management data group from one another.

32. (Currently Amended) A file management method for managing a plurality of files retained in a predetermined region, comprising the steps of:

generating an index file of the ~~plural files~~ plurality of files, said index file ~~being in the form of having~~ a series of entries each ~~in the form of being~~ a block of extract information relating to and coordinated with one of the ~~plural files~~ plurality of files;

wherein said index file comprises respective files, each associated with a different attribute and each including a header and data related to said attribute.

33. (Currently Amended) A file management method for managing a plurality of files retained in a predetermined region, comprising the steps of:

generating an index file of the ~~plural files~~ plurality of files ~~in the form of having~~ a series of entries each ~~in the form of being~~ a block of extract information relating to and coordinated with one of the files;

dividing the extract information relating to any of the files to generate the index file, which includes a plurality of entries;

setting, to the entry of the divided extract information, as information representative of a mutual relationship between the entries, information indicative of an entry in which the succeeding divisional extract information is recorded; and

setting, to the entry in which the succeeding divisional extract information is recorded, an identifier indicating that the entry has the succeeding divisional extract information recorded therein.

34. (Currently Amended) A file management method for managing a plurality of files retained in a predetermined region, comprising the steps of:

generating an index file of the ~~plural files~~ plurality of files in the form of having a series of entries each ~~in the form of being~~ a block of extract information relating to and coordinated with one of the files; and

setting, where the files recorded on the recording medium include a plurality of child files generated by dividing one set of contents and a parent file for managing the ~~plural~~ plurality of child files, to the entries relating to the child files and the parent file, as information representative of a mutual relationship between the entries, identifiers indicating that the files are the child files and the parent file, respectively.

35. (Currently Amended) A file management method for managing a plurality of files retained in a predetermined region, comprising the steps of:

generating an index file of the ~~plural files~~ plurality of files in the form of having a series of entries each ~~in the form of being~~ a block of extract information relating to and coordinated with one of the files; and

registering information of file formats of the files into corresponding ones of the entries.

36. (Canceled)

37. (Currently Amended) A file management method for managing a plurality of files retained in a predetermined region, comprising the steps of:

generating an index file of the ~~plural files~~ plurality of files ~~in the form of having~~ a series of entries each ~~being in the form of~~ a block of extract information relating to and coordinated with one of the files; and

registering information unique to processing means for the files and information for specifying the processing means relating to the unique information.

38. (Currently Amended) A reproduction apparatus for reproducing files recorded on a predetermined recording medium based on a predetermined index file ~~so as to~~ provide the reproduced files to a user,

the index file being formed from a series of entries each ~~in the form of being~~ a block of extract information relating to and coordinated with one of the files recorded on said predetermined recording medium; and

said index file comprising respective files, each associated with a different attribute and each including a header and data related to said attribute.

39. (Currently Amended) A reproduction apparatus for reproducing files recorded on a predetermined recording medium based on a predetermined index file so-as-to be provided to a user, comprising:

the index file being formed from a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

the extract information relating to any of the files being divided to generate the index file which includes a plurality of entries;

the entry of the divided extract information having set thereto, as information representative of a mutual relationship between the entries, information indicative of an entry in which the succeeding divisional extract information is recorded;

the entry in which the succeeding divisional extract information is recorded having set thereto an identifier indicating that the entry has the succeeding divisional extract information recorded therein;

means for regenerating the divided extract information based on the information indicative of the entry in which the succeeding divisional extract information is recorded and the identifier indicating that the entry has the succeeding divisional extract information recorded therein.

40. (Currently Amended) A reproduction apparatus for reproducing files recorded on a predetermined recording medium based on a predetermined index file so-as-to be provided to a user, comprising:

the index file being formed from a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

the entries which relate, where the files recorded on the recording medium include a plurality of child files generated by dividing one set of contents and a parent file for managing the ~~plural~~ plurality of child files, to the child files and the parent file having set thereto, as information representative of a mutual relationship between the entries, identifiers indicating that the files are the child files and the parent file, respectively; and

means for successively reproducing the ~~plural~~ plurality of child files based on the identifiers.

41. (Currently Amended) A reproduction apparatus for reproducing files recorded on a predetermined recording medium based on a predetermined index file ~~so as to be provided to a~~ user, comprising:

the index file being formed from a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

information of file formats of the files being registered in corresponding ones of the entries;

means for selecting those ones of the files, which can be reproduced based on the information of the file formats of the files and displaying a user interface of the selected files.

42. (Canceled)

43. (Currently Amended) A reproduction apparatus for reproducing files recorded on a predetermined recording medium based on a predetermined index file ~~so as to be provided to a~~ user, comprising:

the index file being formed from a series of entries each ~~in the form of~~ being a block of extract information relating to and coordinated with one of the files;

information unique to processing means for the files and information for specifying the processing means relating to the unique information being registered in the index file;

means for processing the files recorded on the recoding medium based on the unique information relating to the information for specifying the corresponding processing means.

44. (Previously Presented) The recording apparatus according to claim 1, wherein said index file generation means sets to the index file, as information representative of a mutual relationship between the entries, information indicative of a reproduction order of the entries or of the files corresponding to the entries.

45. (Previously Presented) The file management method according to claim 32, further comprising the step of setting to the index file, as information representative of a mutual relationship between the entries, information indicative of a reproduction order of the entries or of the files corresponding to the entries.

46. (Previously Presented) The reproduction apparatus according to claim 38, wherein information is set to the index file, indicative of a reproduction order of the entries or of the files corresponding to the entries, said information being representative of a mutual relationship between the entries; and

further comprising the step of successively reproducing the files recorded on said recording medium in accordance with the reproduction order set to said index file.

47. (Currently Amended) A reproduction method for reproducing files recorded on a predetermined recording medium based on a predetermined index file so as to provide the reproduced files to a user, said method comprising the steps of:

reproducing the index file, said index file being formed from a series of entries, each in the form of being a block of extracted information relating to and coordinated with one of the files recorded on said recording medium, and

each index file comprising respective files, each associated with a different attribute and each including a header and data related to said attribute.

48. (Previously Presented) The reproduction method according to claim 47, wherein information is set to the index file, indicative of a reproduction order of the entries or of the files corresponding to the entries, said information being representative of a mutual relationship between the entries; and

further comprising the step of successively reproducing the files recorded on said recording medium in accordance with the reproduction order set to said index file.